

### Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. The following listing provides the amended claims with the amendments marked with deleted material crossed out and new material underlined to show the changes made.

### Listing of Claims:

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1. (Currently Amended) A computer implemented method comprising:

sending to a manufacturer a customer request for assembly instructions for a grouping of components; and

presenting to assemblers a set of assembly instructions which are customized and specific to said grouping of ~~components~~ components;

wherein said customer and said manufacturer are different entities. ← 103

2. (Original) A method according to claim 1 wherein sending includes:

scanning bar-code information from said components;

grouping said bar-code information; and

generating said request for assembly instructions based on said grouped bar-code information and on specifications defined by said manufacturer.

3. (Original) A method according to claim 1 wherein presenting includes:

receiving said set of assembly instructions from said manufacturer.

4. (Original) A method according to claim 3 wherein presenting further includes:  
formatting said received set of assembly instructions such that they are in a format  
utilizable by said assemblers.

5. (Original) A method according to claim 4 wherein presenting further includes:  
printing out said formatted set of assembly instructions for said assemblers.

6. (Original) A method according to claim 1 further comprising:  
waiting to receive said set of assembly instructions from said manufacturer prior to  
assembling of said group of components.

7. (Original) A method according to claim 1 further comprising:  
assembling said group of components using said set of assembly instructions.

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8. (Original) A method according to claim 1 further comprising:  
replying to said customer request by sending said customized set of assembly instructions  
to said customer.

9. (Original) A method according to claim 8 wherein replying includes:  
receiving said request for assembly instructions from said customer;  
formulating a query for a knowledge base, said query based upon the content of said  
request; and  
retrieving from said knowledge base said customized set of assembly instructions, said set  
formed in response to said query.

10. (Original) A method according to claim 9 wherein said replying further includes:  
formatting said retrieved customized set of instructions into a network-ready message.

11. (Original) A method according to claim 2 further comprising:  
initiating a component grouping application software at the location where said  
components are received, said software performing said grouping; and  
sending said grouped bar-code information to a customer server, said customer server  
also generating said request.

12. (Original) A method according to claim 1 wherein said manufacturer and said  
customer communicate over a communications network.

13. (Currently Amended) A system comprising:  
an information device utilized by an assembler of a group of components, said device  
configured to group bar-code information scanned from said components;  
a customer server coupled to said information device over a network, said server  
configured to send a request for assembly instructions, said request based on said grouped bar-  
code information; and  
a manufacturer server able to communicate with said customer server, said manufacturer  
server replying to said request with a set of customized assembly instructions, said instructions  
specific to said group of components represented in said request.

14. (Original) A system according to claim 13 wherein said customer server receives  
said reply from said manufacturer server, said customer server further configured to present to  
said assembler said set of customized assembly instructions in a utilizable format.

15. (Currently Amended) A system according to claim 13 further comprising:  
a knowledge base coupled to said manufacturer server, said knowledge base configured to provide said set of customized assembly instructions in response to receiving a query from said manufacturer server.

16. (Original) A system according to claim 15 wherein said query is formulated by said manufacturer server based upon said request from said customer server.

17. (Original) A system according to claim 13 wherein said information device is a personal computer.

18. (Original) A system according to claim 13 wherein said information device is a personal digital assistant.

19. (Original) A system according to claim 13 wherein said manufacturer server and said customer server are connected via a network.

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20. (Currently Amended) An article comprising a computer readable medium having instructions stored thereon which when executed cause:  
sending to a manufacturer a customer request for assembly instructions for a grouping of components; and

presenting to assemblers a set of assembly instructions which are customized and specific to said grouping of ~~components~~ components;

wherein said customer and said manufacture are different entities.

21. (Original) An article according to claim 20 wherein sending includes:  
scanning bar-code information from said components;  
grouping said bar-code information; and  
generating said request for assembly instructions based on said grouped bar-code information and on specifications defined by said manufacturer.

22. (Original) An article according to claim 20 wherein presenting includes:  
receiving said set of assembly instructions from said manufacturer.

23. (Original) An article according to claim 22 wherein presenting further includes:  
formatting said received set of assembly instructions such that they are in a format  
utilizable by said assemblers.

AI 24. (Original) An article according to claim 23 wherein presenting further includes:  
printing out said formatted set of assembly instructions for said assemblers.

25. (Original) An article according to claim 20 further causing:  
waiting to receive said set of assembly instructions from said manufacturer prior to  
assembling of said group of components.

26. (Original) An article according to claim 20 further causing:  
assembling said group of components using said set of assembly instructions.

27. (Original) An article according to claim 20 further causing:

replying to said customer request by sending said customized set of assembly instructions to said customer.

28. (Original) An article according to claim 27 wherein replying includes:

receiving said request for assembly instructions from said customer;

formulating a query for a knowledge base, said query based upon the content of said request; and

retrieving from said knowledge base said customized set of assembly instructions, said set formed in response to said query.

29. (Original) An article according to claim 28 wherein said replying further includes:

formatting said retrieved customized set of instructions into a network-ready message.

30. (Original) An article according to claim 21 further causing:

initiating a component grouping application software at the location where said components are received, said software performing said grouping; and sending said grouped bar-code information to a customer server, said customer server also generating said request.

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